

## Hydrologic Model Manager

Short Name	WASMOD
Long Name	
Description	
Model Type	Conceptual
Model Objectives	Water balance studies
Agency Office	Uppsala University
Tech Contact	Department of Earth Sciences, Hydrology, Villavagen 16, S-75236 Uppsala, Sweden
Model Structure	Water balance plus nonlinear relation between storage and discharge
Interception	
Groundwater	
Snowmelt	
Precipitation	
Evapo-transpiration	
Infiltration	
Model Paramters	3 to 6 parameters depending on input data
Spatial Scale	Small to medium sized catchments
Temporal Scale	Weekly to seasonal
Input Requirements	Minimal requirement: precipitation; preferable: potential evapotranspiration, temperature
Computer Requirements	Any PC computer
Model Output	River flow, soil moisture index, actual evapotranspiration and other water balance components
Parameter Estimatr Model Calibrtn	Automatic optimization
Model Testing Verification	The model has been tested on various aspects, such as influence of calibration period, input data errors, ability in simulating hydrological impact of changed climate, etc.
Model Sensitivity	Sensitive to precipitation data error, not so sensitive to potential evapotranspiration data error
Model Reliability	Minima 5 years calibration data, preferable 10 years
Model Application	Has been used on more than 100 catchments in over 20 countries Documentation: the program is written in Fortran and contains an optimization routine.
Documentation	
Other Comments	It has been tested that it is possible to establish regression equations between model parameter values and catchment physical characteristics.
Date of Submission	5/11/2001 7:41:45 AM
Developer	
Technical Contact	

Contact Organization